

# **Chapter 8**

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## **List of Preparers**



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**8.1 TVA Staff****D. Jane Awl**

Position: Wetlands Biologist, Tennessee Valley Authority  
Education: M.S., Ecology; B.S., Biology and Environmental Science  
Background: 12 years of experience in wetlands assessment and delineation

**Barry L. Barnard**

Position: Specialist, River Systems Operation and Environmental Compliance Projects, Tennessee Valley Authority  
Education: B.S., Chemical Engineering  
Background: 32 years of experience in air pollution compliance engineering, permitting, and emissions monitoring

**John T. Baxter, Jr.**

Position: Aquatic Biologist, Tennessee Valley Authority  
Education: M.S. and B.S., Zoology  
Background: 12 years of experience in aquatic biology, 4 years of experience in environmental review

**J. Mark Boggs**

Position: Hydrologist, Tennessee Valley Authority  
Education: M.S., Hydrology; B.S., Geophysics  
Background: 29 years of experience in hydrologic investigation/analysis for environmental and engineering applications

**Charles E. Bohac**

Position: Water Supply Specialist, Tennessee Valley Authority  
Education: Ph.D., M.S., and B.S., Civil Engineering  
Background: 28 years of experience in water resource investigations, water quality analysis, waste treatment and disposal system design, groundwater supply and contamination analysis, and hydro and fossil power plant engineering

**Gerald E. Brooks**

Position: Production Cost Studies Specialist, Tennessee Valley Authority  
Education: M.A.T., Physics; B.S., Mathematics  
Background: 24 years of experience in TVA power resource planning (reliability and production cost studies); meteorologist in U.S. Air Force and TVA air quality program

**Edward E. C. Clebsch**

Position: Contract Botanist, Tennessee Valley Authority  
Education: Ph.D., Botany and Soil Science; M.S., Botany and Zoology; A.B., Botany and Geology  
Background: 40 years of experience in teaching and research, and serving as a consulting botanist and ecologist in the Southeastern United States

**Joseph L. Collins**

Position: Senior Heritage Botanist, Tennessee Valley Authority  
Education: Ph.D., Plant Taxonomy; B.S., General Biology  
Background: 26 years of experience in environmental assessment and NEPA compliance

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### **Evan Robertson Crews**

Position: Watershed Representative,  
Resource Stewardship, Tennessee  
Valley Authority

Education: M.S. and B.S., Environmental  
Science; B.S., Geology

Background: 3 years of experience as aquatic  
monitoring contractor to TVA; 3  
years of experience in land  
management and watershed/water  
quality improvement projects

### **Robert L Curtis, Jr.**

Position: Shoreline Process Manager,  
Tennessee Valley Authority

Education: M.S., Wildlife Science; B.S., Biology

Background: 30 years of experience in wildlife  
management, reservoir land  
planning, and reservoir shoreline  
permitting

### **Melvin B. Dean**

Position: Computer Technician–GIS,  
Tennessee Valley Authority

Education: A.S., Civil Engineering Technology

Background: 23 years of experience in mapping  
and GIS work

### **Bridget Donaldson**

Position: Terrestrial Zoologist Contractor,  
Resource Stewardship, Tennessee  
Valley Authority

Education: M.S., Ecology and Evolutionary  
Biology; B.A., Ecological,  
Populational, and Organismic  
Biology

Background: 8 years of experience in field  
biology; 2 years of experience in  
writing terrestrial zoology input for  
environmental reviews

### **Laura M. Duncan**

Position: Watershed Representative,  
Tennessee Valley Authority

Education: M.S., Urban and Regional Planning  
(minor in Environmental Policy);  
B.S., Biology and Marine Science  
(double major)

Background: 10 years of experience in water  
resources field, with 5 years  
focused on watershed planning

### **Michael Eiffe**

Position: Civil Engineer, Tennessee Valley  
Authority

Education: M.E. and B.S., Civil and  
Environmental Engineering

Background: 23 years of experience in  
hydrologic, hydraulic, and  
environmental engineering

### **Charles B. Feagans, P.E.**

Position: Senior Manager, Operations  
Management, Electric Systems  
Operation, Tennessee Valley  
Authority

Education: M.S., M.B.A., and B.S., Civil  
Engineering

Background: 23 years of experience in  
hydrogeneration studies and power  
operations

### **Nancy D. Fraley**

Position: Natural Areas Coordinator,  
Resource Stewardship, Tennessee  
Valley Authority

Education: M.S., Botany

Background: 12 years of experience in terrestrial  
vegetation assessment, rare plant  
inventory, and environmental  
education; 6 years of experience in  
management of invasive exotic  
plants

### **R. Lee Fuller**

Position: Risk Management Specialist, Tennessee Valley Authority  
Education: M.S., Engineering; B.S., Biological Sciences; A.A., Engineering  
Background: 7 years of experience in power plant operations; 6 years of experience in computer system design and maintenance for power system applications; 10 years of experience in industrial and power plant environmental regulations and control technologies; 3 years of experience in power system analysis and risk management

### **Kenneth D. Gardner**

Position: Aquatic Biologist, Tennessee Valley Authority  
Education: M.S., Wildlife and Fisheries Science; B.S., Wildlife and Fisheries Science  
Background: 13 years of experience in environmental assessment

### **Sidney Eugene Gibson**

Position: Manager, Water Supply and Special Projects, Tennessee Valley Authority  
Education: B.S., Engineering Science and Mechanics  
Background: 30 years of experience in engineering and integrated resource management

### **H. Morgan Goranflo, Jr., P.E.**

Position: Manager, River Operations, Tennessee Valley Authority  
Education: M.S. and B.S., Civil Engineering  
Background: 30 years of experience in hydropower and reservoir system planning and operations

### **Ella Christina Guinn**

Position: Natural Areas Contractor, Resource Stewardship, Tennessee Valley Authority  
Education: M.S., Geography; B.A., Geography  
Background: 9 years of experience in land use analysis, interpretation, and planning

### **J. Hollis Hart, Jr.**

Position: Risk Management Specialist, Tennessee Valley Authority  
Education: M.B.A., Finance; B.S., Electrical Engineering  
Background: 8 years of experience in electric utility industry (electric system operations, distribution project management, commercial marketing, and generation resource planning)

### **Jason C. Hartsell**

Position: Chemical Engineer, Tennessee Valley Authority  
Education: B.S., Chemical Engineering  
Background: 2 years of experience in air quality compliance, emissions inventories, and power plant permit applications

### **Travis Hill Henry**

Position: Senior Terrestrial Zoologist, Tennessee Valley Authority  
Education: M.S., Zoology; B.S., Wildlife Biology  
Background: 12 years of experience in environmental review and zoological investigations

### **Gary D. Hickman**

Position: Manager, Projects and Services, Tennessee Valley Authority  
Education: M.S. and B.S., Zoology  
Background: 30 years of experience in aquatic ecology, with emphasis on fish community assessment and development of indices to measure environmental quality

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### **Mark K. Hill**

Position: Specialist, Production Technology, Tennessee Valley Authority  
Education: B.S., Mechanical Engineering  
Background: 20 years of experience in electrical power generation technology evaluation

### **John J. Jenkinson**

Position: Senior Mollusk Biologist, Tennessee Valley Authority  
Education: Ph.D., M.S., and B.S., Zoology  
Background: 24 years of experience in aquatic life and aquatic endangered species impact assessment

### **Jimmie J. Kelsoe**

Position: Environmental Scientist, Tennessee Valley Authority  
Education: B.S., Chemistry and Mathematics  
Background: 25 years of experience in agronomic research, including 6 years of experience in NEPA reviews

### **Robin E. Kirsch**

Position: Project Manager, Special Studies  
Education: B.S. Mechanical Engineering  
Background: 8 years experience in nuclear power plant engineering and 12 years experience in reservoir operations

### **Susan Lauver**

Position: Senior Manager, Strategic Communications, Tennessee Valley Authority  
Education: M.P.A., Public Administration; B.S., Communications  
Background: 24 years of experience in public relations and public participation

### **Katherine F. Lindquist, P. E.**

Position: Manager, Hydrothermal Team, River Scheduling, Tennessee Valley Authority  
Education: M.S., Civil Engineering/Environmental Hydraulics; B.S., Civil Engineering  
Background: 24 years of experience in water quality

### **Jack Don Lokey**

Position: Environmental Engineer, Tennessee Valley Authority  
Education: M.S. and B.S., Chemical Engineering  
Background: 27 years of experience in environmental engineering, focused on air quality compliance, emissions inventories, and permit applications

### **Jason Michael Mitchell**

Position: Contract Terrestrial Zoologist, Resource Stewardship, Tennessee Valley Authority  
Education: M.P.A., Environmental Policy; B.S., Wildlife and Fisheries Science  
Background: Natural resource management with emphasis on endangered species, including 3 years with state wildlife agency and 6 years performing zoological assessment for federal land management organizations

### **Jeffrey Wayne Munsey**

Position: Civil Engineer (Dam Safety), Tennessee Valley Authority  
Education: M.S. and B.S., Geophysics  
Background: 18 years of experience in geophysical and geological studies and investigations, including applications to environmental assessments

### **Norris A. Nielsen**

Position: Project Manager, Environmental Technology, Tennessee Valley Authority  
Education: M.S. and B.S., Meteorology  
Background: 30 years of experience in applied meteorology, including input to and review of NEPA documents

### **David T. Nye**

Position: Project Manager, Reservoir Operations Study  
Education: B.S., Civil Engineering  
Background: 30 years of experience in nuclear, fossil and hydropower design, maintenance, and operations

### **William Oldland**

Position: Medical Entomologist, Tennessee Valley Authority  
Education: M.S., Entomology; B.S., Wildlife Biology  
Background: 12 years of experience in entomology

### **Esther Sullivan Parish**

Position: Geographic Analyst, Tennessee Valley Authority  
Education: M.S., Geography; B.S., Geology and Geophysics  
Background: 8 years of experience in geographic and environmental data analysis

### **William J. Parkhurst**

Position: Senior Specialist, Integrated Science and Assessment, Tennessee Valley Authority  
Education: M.S., Public Health; B.S., Biology/Earth Sciences  
Background: 28 years of experience in air quality monitoring, data analysis, and air quality research

### **Ralph M. Perhac, Jr.**

Position: Economist, Tennessee Valley Authority  
Education: Ph.D., Philosophy; M.B.A. and B.S., Economics

Background: 7 years of experience as an economist, 10 years of experience in environmental research and review

### **Ralph L. Porter, Jr.**

Position: Landscape Architect–Principal, Tennessee Valley Authority  
Education: B.L.A., Landscape Architecture  
Background: 34 years of experience in land planning and site design for institutional, recreational, and industrial development, including 7 years in environmental review of visual and aesthetic resources

### **William H. Redmond**

Position: Manager, Resource Services, Tennessee Valley Authority  
Education: Ph.D., M.S., and B.S., Zoology  
Background: 28 years of experience as a professional zoologist; 23 years of experience in supervision and management

### **Andrew J. Sanislo**

Position: Risk Management Specialist, Tennessee Valley Authority  
Education: M.B.A., Finance; M.E. and B.S., Nuclear Engineering  
Background: 2 years of experience in power generation planning, financial analysis, and forecasting; 20 years of power industry experience in project management, nuclear core design, fuel engineering and manufacturing, and operations support; 6 years in the U.S. Air Force

### **Linda B. Shipp**

Position: Senior NEPA Specialist, River Operations  
Education: Ph.D., Botany; M.S., Ecology  
Background: 25 years of experience in environmental and integrated regional resources management training and environmental impact assessment

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### **Peggy W. Shute**

Position: Manager, Heritage Resources,  
Tennessee Valley Authority  
Education: M.S., Zoology; B. A., Biology  
Background: 16 years of experience in  
environmental review

### **Shandon N. Smith**

Position: Atmospheric Analyst, Tennessee  
Valley Authority  
Education: B.S., Professional Geography  
Background: 1 year of experience in GIS  
mapping and processing involving  
spatial air quality information

### **Ramona C. Sumner**

Position: Risk Management Specialist,  
Tennessee Valley Authority  
Education: M.B.A., and B.S., Mathematics  
Background: 8 years of experience in risk  
management

### **Roger Tankersley, Jr.**

Position: Senior Scientist/Geographer,  
Tennessee Valley Authority  
Education: Ph.D., M.S., and B.S., Geography  
Background: 11 years of experience in spatial  
environmental analyses, particularly  
biogeographic analyses

### **Ken Tennesen**

Position: Medical Entomologist, Tennessee  
Valley Authority (retired)  
Education: Ph.D., M.S., and B.S., Entomology  
Background: 27 years of experience in  
entomology, 17 years of experience  
in medical entomology

### **Lois I. Threlkeld**

Position: Manager, Business Process  
Analysis, Tennessee Valley  
Authority  
Education: M.S., Industrial Engineering; B.S.,  
Civil Engineering; A.B., Chemistry  
Background: 26 years of experience in  
engineering and business positions  
at TVA

### **Charles R. Tichy**

Position: Historic Architect, Resource  
Stewardship, Tennessee Valley  
Authority  
Education: B.S., Architecture; M.A., Historic  
Preservation  
Background: 34 years of experience in historic  
preservation and restoration, and  
historic structures review under the  
National Historic Preservation Act

### **Christopher D. Ungate**

Position: Manager, Generation Resource  
Planning, Tennessee Valley  
Authority  
Education: M.B.A.; M.S. and B.S., Civil  
Engineering  
Background: 4 years of experience in generation  
planning; 2 years of experience in  
hydro operations; 4 years of  
experience in reservoir operations  
planning; 5 years of experience in  
watershed management; 3 years of  
experience in corporate planning;  
and 10 years of experience in  
engineering testing and modeling

### **David H. Webb**

Position: Senior Technical Support  
Representative, Aquatic Plant  
Management, Tennessee Valley  
Authority  
Education: Ph.D., Botany; M.S., Fisheries; B.S.,  
Biology  
Background: 24 years of experience with TVA in  
aquatic plant management and  
related support studies

### **Carolyn Leigh Wells**

Position: Biologist/Botanist, Tennessee Valley  
Authority  
Education: Ph.D., Botany; B.A., Biology  
Background: 4 years of experience in managing  
sensitive botanical resources and  
preparing technical input to  
environmental review documents



### **Lucritia D. White**

Position: Risk Management Specialist,  
Tennessee Valley Authority  
Education: M.S., Engineering Management;  
B.S., Mechanical Engineering  
Background: 12 years of experience in electric  
utility operations, including system  
dispatching, generation plan  
development, coal-fired operation,  
and maintenance processes

### **Joel E. Williams**

Position: Assistant Project Manager,  
Reservoir Operations Study  
Education: M.P.A., Public Administration; B.S.,  
Geology  
Background: 20 years of experience in remote  
sensing, land and shoreline  
management, and watershed  
restoration

### **Cassandra L. Wylie**

Position: Project Manager, Environmental  
Technology, Tennessee Valley  
Authority  
Education: M.S., Forestry and Statistics; B.S.,  
Forestry  
Background: 16 years of experience in  
atmospheric modeling and air  
quality analysis

## **8.2 TVA Consultants**

### **Todd M. Ahlman**

Position: Archaeologist, The Louis Berger  
Group, River System Operations &  
Environment, Inc.  
Education: Ph.D., M.A., and B.A., Anthropology  
Background: 13 years of experience in  
archaeological resource  
management

### **Karen Argonza**

Position: Production Manager/Technical  
Editor, ENTRIX, Inc.  
Education: B.A., Journalism  
Background: 16 years of experience in project  
coordination, technical writing, and  
project management

### **Robert Mathew Baumgartner**

Position: Managing Consultant, PA  
Government Services, Inc.  
Education: Ph.D., M.S., and B.S., Sociology  
Background: 21 years of experience in social  
science research in the consulting  
industry

### **John C. Bergstrom**

Position: Professor, The University of  
Georgia, Athens  
Education: Ph.D. and M.S., Agricultural  
Economics; B.S., Resource  
Management  
Background: 20 years of experience in applied  
research related to the economics  
of natural resource and  
environmental policy and  
management

### **David B. Blankenhorn, R.G.**

Position: Senior Project Geologist/Engineer,  
ENTRIX, Inc.  
Education: M.S., Civil Engineering; B.S.,  
Applied Earth Science  
Background: 8 years of experience in  
hydrogeology/hydrology

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### **C. Shane Boring**

Position: Environmental Scientist,  
Kleinschmidt Associates  
Education: M.S., Ecology; B.S., Biology  
Background: 5 years of experience at the  
academic research level on a wide  
range of wildlife and fisheries  
resource-related issues; 1 year of  
experience at the state regulatory  
level

### **Heather Ann Cabral**

Position: GIS Analyst, Applied Geographics,  
Inc.  
Education: B.S., Geography  
Background: 3 years of experience using GIS,  
providing data analysis, data  
conversion, data development, and  
mapping for municipal services,  
environmental management issues,  
and transportation services

### **Lee E. Carbonneau**

Position: Senior Scientist, Normandeau  
Associates, Inc.  
Education: M.S., Wildlife Ecology; B.S., Forest  
Biology  
Background: 21 years of experience in terrestrial  
and wetland inventory, assessment,  
and habitat restoration

### **Matthew D. Chan**

Position: Senior Scientist, Normandeau  
Associates, Inc.  
Education: Ph.D., Fisheries Science; M.S. and  
B.A., Biology  
Background: 1 year of experience as Fisheries  
Biologist; 1 year as Senior Scientist  
for aquatic resource studies,  
specializing in instream flow issues

### **Jon M. Christensen**

Position: Senior Licensing Coordinator and  
Economist, Kleinschmidt Associates  
Education: B.A., Economics  
Background: 16 years of experience in economic  
and recreation studies and  
environmental assessments

### **Eileen F. Dessaso**

Position: Senior Project Coordinator,  
ENTRIX, Inc.  
Education: IPM Certification (in progress);  
CEQA, NEPA Workshops; Partial  
Degree, Library Science  
Background: 10 years of experience in  
coordinating reservoir and  
hydroelectric facilities, transmission  
lines, natural gas pipelines, and  
power plant projects

### **Bruce A. DiGennaro**

Position: Senior Planner, Kleinschmidt  
Associates  
Education: B.S., Environmental Planning and  
Management  
Background: 18 years of experience in recreation  
studies and analyses for water and  
energy projects

### **Erik Dilts**

Position: Senior Staff Scientist, ENTRIX, Inc.  
Education: M.S., Forest Resources (Fisheries  
Biology); B.S., Biology  
Background: 3 years of experience in  
environmental resource reporting  
and NEPA documentation

### **Jennifer Q. Dow**

Position: Licensing Coordinator, Kleinschmidt  
Associates  
Education: B.S., Business Management; A.S.,  
Legal Secretarial  
Background: General administrative and  
legislative research

### **Patrick Fairbairn**

Position: Natural Resources Planner,  
Normandeau Associates, Inc.  
Education: Ph.D., Wildlife/Natural Resource  
Planning; M.A., English; B.A.,  
General Studies  
Background: 31 years experience in natural  
resource planning and studies of the  
ecology of North American biota

**Albert S. Garlo**

Position: Senior Wetland Scientist,  
Normandeau Associates, Inc.  
Education: M.S., Forestry Genetics; B.S.,  
Forestry  
Background: 25 years of experience in forestry,  
wetlands, and environmental  
assessment projects

**Jimmy Groton**

Position: Environmental Scientist, Science  
Applications International  
Corporation  
Education: M.S., Forestry; B.S., Natural  
Resources  
Background: 23 years of experience in natural  
resource management and  
environmental impact assessment;  
13 years of experience in NEPA  
compliance and wetlands ecology,  
management, and restoration

**Richard K. Grady**

Position: Executive Vice President, Applied  
Geographics, Inc.  
Education: M.B.A., Management; B.S.,  
Resource Economics  
Background: 25 years of experience in computer  
mapping, systems integration, and  
GIS

**Ernest B. Griggs**

Position: Assistant Project Manager, PB  
Power, Inc.  
Education: B.S., Management  
Background: 30 years of experience in bulk  
power (hydro) generation and  
transmission

**Amy H. Haas**

Position: GIS Analyst, Applied Geographics,  
Inc.  
Education: B.S., Earth Sciences  
Background: 4 years of experience in  
environmental sciences and GIS

**Melissa Hetrick**

Position: Assistant Staff Environmental  
Scientist, ENTRIX, Inc.  
Education: B.S., Integrative Biology

Background: 3 years of experience in  
environmental impact assessment  
and environmental policy and  
permitting

**Gale Hoffnagle**

Position: Senior Vice President and Technical  
Director, TRC Environmental  
Corporation  
Education: M.S. and B.S., Meteorology  
Background: 34 years of experience in air quality  
consulting

**Paul M. Jakus**

Position: Associate Professor, Utah State  
University  
Education: Ph.D., Economics; M.Sc. and B.Sc.,  
Agricultural and Natural Resource  
Economics  
Background: Faculty member at University of  
Tennessee with extensive  
experience in trip response  
modeling in the TVA region

**Angela Johnson**

Position: Biologist, Science Applications  
International Corporation  
Education: B.S., Biology  
Background: 5 years of experience in ecological  
risk assessment and wildlife biology

**Margaret W. (Peg) Johnson**

Position: Supervising Planner, Associate Vice  
President, Parsons Brinckerhoff,  
Inc.  
Education: M.S., Economics; B.A., English  
Background: 24 years of experience in ports and  
waterway planning and economic  
analysis

**Deborah Joy**

Position: Archaeologist, Legacy Research  
Associates, Inc.  
Education: M.A., Native American History; B.A.,  
Anthropology  
Background: 22 years of experience in  
archaeology; 18 years of experience  
in cultural resource management

## 8 List of Preparers

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### **Nancy Ellen Keene**

Position: Wetlands Biologist, ADECCO Technical  
Education: Ph.D., Ecology; M.Ed., Outdoor Education; B.S., Biology  
Background: 11 years of experience in teaching, researching, and performing environmental assessments

### **Carrie Koenig**

Position: Consultant Analyst, PA Government Services, Inc.  
Education: B.B.A., Business Management and Marketing  
Background: 5 years of experience in survey research

### **Thomas Kokx**

Position: Principal, Thomas Kokx Associates  
Education: B.S., Landscape Architecture  
Background: 30 years of experience in visual resource inventory, assessment, and management

### **Karl Krcma**

Position: Supervising Engineer, Parson Brinckerhoff, Inc.  
Education: B.S., Agricultural Engineering  
Background: 23 years of experience in ports, waterways, and marine facilities

### **Donald Kretchmer**

Position: Senior Water Resources Scientist, Normandeau Associates, Inc.  
Education: M.S., Water Resources Management; B.S., Natural Resources  
Background: 22 years experience in water resources planning and management

### **Gabriela Landau-Gabbai**

Position: GIS Analyst, Applied Geographics, Inc.  
Education: M.S., Urban and Regional Planning; B.A., Geography  
Background: 1 year of experience in urban planning; 2 years of experience in GIS

### **Paul Leonard**

Position: Senior Project Manager, ENTRIX, Inc.  
Education: M.S., Fisheries Science/Statistics; B.S., Aquatic Science/Biology  
Background: 15 years of experience in managing and performing environmental assessments related to hydroelectric power and other water resource development projects

### **Elisa Aylin Lewallen**

Position: Project Scientist, ENTRIX, Inc.  
Education: M.S., Environmental Science; M.P.A., Public Affairs; B.S., Natural Resources  
Background: 6 years of experience in watershed assessments, water quality monitoring, stream assessments, endangered species surveys, and environmental permitting

### **Joan Lynn**

Position: President, egret, inc.  
Education: 6 years of undergraduate studies in Latin and Greek  
Background: 20 years of experience in writing and editing environmental documents

### **Dennis Magee**

Position: Vice President, Normandeau Associates, Inc.  
Education: M.S., Botany/Forestry; B.S., Zoology/Wildlife  
Background: 31 years of experience in managing a wide range of environmental assessment projects

### **Richard Masters, P.E.**

Position: Director of Engineering, Normandeau Associates, Inc.  
Education: M.A., Environmental Planning; B.S., Civil Engineering  
Background: 22 years of experience in environmental planning and water resources engineering

### **Ian K. McDonough**

Position: Economics Graduate Student, Utah State University  
Education: B.Sc., Information Systems  
Background: Expertise in developing and maintaining electronic databases

### **Bryce Mochrie**

Position: Senior Principal Engineer, PB Power, Inc.  
Education: M.S. and B.S., Civil Engineering  
Background: 25 years of experience in addressing the structural aspects of dam design, stability, and safety

### **April Montgomery**

Position: Preservation Planner, Legacy Research Associates, Inc.  
Education: M.A., Urban and Regional Planning; B.A., History  
Background: 5 years of experience in historic preservation planning

### **Marcia B. Montgomery**

Position: Project Historian, ENTRIX, Inc.  
Education: M.A. and B.A., History  
Background: 12 years of experience in historic research for environmental compliance

### **Ash Morgan**

Position: Senior Staff Scientist, ENTRIX, Inc.  
Education: Ph.D. and M.A., Economics; B.A., Accounting and Finance  
Background: 5 years of experience in economic modeling and analysis

### **Nicholas Nitka**

Position: Consultant Analyst, PA Government Services, Inc.  
Education: B.S., Marketing  
Background: 5 years of experience in managing large-scale surveys for government and private clients

### **Kelly O'Brien**

Position: Staff Recreation Analyst/Planner, Kleinschmidt Associates

Education: M.S., Resource Economics; B.S.S., Environmental Policy  
Background: 3 years of experience in survey research and statistical applications; 8 years of experience in the recreation industry

### **Kimberly R. Peace**

Position: Wetlands Scientist, Normandeau Associates, Inc.  
Education: M.S. and B.S., Marine Science  
Background: 8 years of experience in the field of environmental consulting, including wetlands delineation and mitigation, endangered species surveys, NEPA compliance and EIS preparation

### **Marcia L. (Marty) Phillips**

Position: Senior Resource Economist, Kleinschmidt Associates  
Education: M.S., Agricultural and Resource Economics; B.S., Natural Resources; A.A., Liberal Arts  
Background: 15 years of experience in resource economics and survey research in the field of outdoor recreation

### **Cindy Potter**

Position: Document Coordinator, ENTRIX, Inc.  
Education: B.A., Liberal Arts  
Background: 6 years of experience in public outreach and coordinating production of environmental documents

### **Paul W. Rasmussen**

Position: Statistician, Wisconsin Department of Natural Resources  
Education: M.S., Statistics; M.S. and B.A., Biology  
Background: 22 years of experience in environmental and biomedical statistics

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### **Pamela R. Rathbun**

Position: Principal Consultant, PA  
Government Services, Inc.  
Education: M.S., Sociology (Research and  
Analysis); B.S., Rural Sociology  
Background: 20 years of experience in designing  
and conducting survey research for  
clients in the public and private  
sectors

### **John Robinson**

Position: Senior Project Manager, ENTRIX,  
Inc.  
Education: Masters Studies in Urban Design  
and Economics; B. Arch.,  
Architecture  
Background: 33 years of experience in energy  
facility development, permitting, and  
environmental performance  
evaluation (NEPA compliance) for  
thermal, nuclear, combustion  
turbine, pipeline, transmission line,  
and alternative energy facilities

### **Barbara Rosensteel**

Position: Wetlands Biologist, ADECCO  
Technical  
Education: M.S. and B.S., Environmental  
Science  
Background: 14 years of experience in wetlands  
assessment and delineation

### **Jeffrey G. Royal**

Position: Archaeologist, Legacy Research  
Associates, Inc.  
Education: Ph.D., M.A., and B.A.,  
Anthropology; B.A., Economics  
Background: 12 years of experience in  
archaeological research, analysis,  
and publication

### **Cynthia Audrey Saine**

Position: Senior GIS Analyst, Applied  
Geographics, Inc.  
Education: B.A., Economics and Environmental  
Science  
Background: 8 years of experience in GIS

### **John Shuman**

Position: Senior Water Resources Planner,  
Kleinschmidt Associates  
Education: Ph.D., Environmental Science; B.A.,  
Biology  
Background: 20 years of experience in fisheries,  
aquatic ecology, reservoir  
limnology, environmental science,  
and watershed planning

### **Heidi K. Singletary**

Position: Senior GIS Analyst/Project  
Manager, Applied Geographics, Inc.  
Education: M.S. and B.S., Environmental  
Science  
Background: 5 years of experience in data  
development and mapping with GIS

### **Theresa Tennant**

Position: Administrative Assistant, PA  
Government Services, Inc.  
Background: 1 year of experience in  
administration in a survey research  
firm

### **Daniel R. Tormey**

Position: Senior Management Consultant,  
ENTRIX, Inc.  
Education: Ph.D., Geology and Geochemistry;  
B.S., Civil Engineering; B.S.,  
Geology  
Background: 14 years of experience as a  
hydrologist, geologist, geochemist,  
civil engineer, environmental  
scientist, environmental engineer,  
and project manager

### **William W. Wade**

Position: President, Energy and Water  
Economics  
Education: Ph.D., Agricultural and Resource  
Economics; M.S., Agricultural and  
Resource Economics; B.S., English  
Background: 30 years of experience in  
conducting regional economic  
impact analyses and resource  
economic analyses

### **Calvin Wenzel**

Position: Wildlife Ecologist, Science Applications International Corporation  
Education: B.S., Biology  
Background: 28 years of experience in NEPA compliance, natural resource management, and environmental impact assessment

### **Jennifer West**

Position: Soil Scientist, Normandeau Associates, Inc.  
Education: M.S., Plant Science; B.S., Natural Resource Management  
Background: 17 years of experience in environmental consulting, including permitting, site review, and mapping of soils and wetlands

### **Shirley Marie Williamson**

Position: Project Manager, PB Power, Inc.  
Education: M.S., Civil Engineering; B.S., Civil Engineering  
Background: 22 years of experience in water resources projects and hydrologic analyses

### **Michael W. Wright**

Position: Senior Management Consultant, Water Resources, ENTRIX, Inc.  
Education: M.A. and B.A., Geography  
Background: 32 years of experience in NEPA assessments for major water resource management and infrastructure projects

### **Bryan Zent**

Position: Consultant, PA Government Services, Inc.  
Education: M.A., Industrial/Organizational Psychology; B.S., Psychology  
Background: 8 years of experience in survey design, data collection, data management, and data analysis

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